INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/018955

A. CLASSIFICATIONOFSUBJECTMATTER					
Int.Cl7	Int,Cl7 C09D175/04,C09D7/12				
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
	ocumentation searched (classification system followed by	classification symbols)			
Int.Cl7 C09D175/04,C09D7/12					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005					
Electronic da	ata base consulted during the international search (name of	of data base and, where practicable, search te	rms used)		
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C. DOCUI	MENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·			
Category*	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.		
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Λ	JP 59-98125 A (CELANESE COR whole document, especially		1-7,9,11,13- 17		
A	& US 4423201 A & EP 107969		8,10,12		
X	JP 06-80738 A(NIPPON SEISH	T TK TK 11004 02 22	1_6 10 12 17		
A	claims, [0019] (No Family)	I K.K.) 1994.03.22,	1-6,10,13-17 7-9,11,12		
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X A	JP 10-508632 A (HERCULES INC claims & WO 96/14357 A1 & 1		1-6,10,13-17 7-9,11,12		
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A	LTD.)1998.09.22, claims,[0	011] (No Family)	7-9,11,12		
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A	MAATSCHAPPIJ BV) 2001.06.05	, claims & EP	7-12		
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Further documents are listed in the continuation of Box C. See patent family annex.					
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to					
"A" document defining the general state of the art which is not considered to be of particular relevance understand the principle or theory underlying the invention "E" earlier application or patent but published on or after the inter- "X" document of particular relevance; the claimed invention cannot					
nationa	national filing date be considered novel or cannot be considered to involve an				
special	national filing date L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is				
means combination being obvious to a person skilled in the art					
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed					
Date of the actual completion of the international search Date of mailing of the international search report					
08.02.2005					
Name and mailing address of the ISA/JP Authorized officer 4V 905					
Japan Patent Office		KIYOKO TAMURA	# A 302T		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3581-1101 E	xt. 3483		

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International application No. PCT/JP2004/018955

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	•	
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.
X	JP 2001-515118 A (EASTMAN CHEMICAL COMPANY) 2001.09.18, claims & WO 99/091 EP 1003819 A1 & US 2003/105197 A1	L04 A1 &	1-6,10,13-17 7-9,11,12
X A	JP 2002-521545 A(Rhodia CHIMIE)2002.07 claims & WO 2000/6641 A1 & FR 2781806 1021483 A1 & US 6391952 B1		1-6,10,13-17 7-9,11,12
X	DE 10313317 A1(TOYOTA JIDOSHA K.K.)2003.11.20, whole document & JP 2004-2706 A & US 2003/220444 A1		1-17
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			i)

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The surfactants used in claims 1-7, 9, 11 and 13-17 render the definition of the subject matters of said claims unclear for the following reason:

The surfactants expressed with only the functional groups or small portions of them. Therefore, the person skilled in the art would not envisage the whole surfactants as chemical compounds, even with consideration of common general knowledge. The surfactants such as chemical compounds should be specified with chemical formulaes.

The surfactants used in claims 1-7, 9, 11 and 13-17 would comprise a variety of chemical compounds, however only limited examples are disclosed in the specification and the skilled person cannot make from the description of the specification even with consideration of common general knowledge, it is considered that those claims and description of specification do not meet the requirements of PCT Articles 5 and 6.

This report was made on the basis of the disclosed examples in the specification. The subject-matter of claims 8, 10 and 12 are searched completely.